

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

INVENTOR: **Seppo Alanärä**

SERIAL NO.: (PRIOR) ART UNIT: 2784

FILED: Herewith (PRIOR) EXAMINER: Lamarre, G.

TITLE: **METHOD AND APPARATUS FOR TRANSMITTING DTX\_LOW  
STATE INFORMATION FROM MOBILE STATION TO BASE  
STATION**

ATTORNEY DOCKET NO.: 872.7306.U2(US)

Commissioner for Patents

BOX: New Patent Application

Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Sir:

This U.S. Patent Application claims priority as a Divisional under 35 U.S.C. 120 and 37 C.F.R. 1.53(b) from copending U.S. Patent Application No.: 09/061,765, filed April 16, 1998, which in turn claims priority under 35 U.S.C. 119(e) from Provisional Patent Application No.: 60/051,716, filed on July 3, 1997.

Prior to an examination of this patent application on the merits, enter the following Preliminary Amendment.

**In the specification:**

Replace the paragraph beginning at page 22, line 32, and continuing to page 23, line 16, with the following:

In general, the teaching of this invention applies as well to a mobile station operating in the Data mode, such as when a circuit switched data connection specified by IS-130 and IS-135 is used. In this case there is a possibility for the mobile station 10 to not transmit slots if only null slots are available for transmission. This may occur when the internet is accessed, since the mobile station 10 may only occasionally send HTML codes to the network server, while the network server sends a significant amount of data to the mobile station 10. In the case of such a circuit switched connection there is no need to

send CN data or hangover slots to the BMI 32, and the power savings are increased. It may also be beneficial for the network to obtain information as to when the mobile station 10 enters the DTX\_Low state. The user generated HTML strings can be sent with the MAHO information using the available free bits in the beginning and ending slots.

**In the claims:**

Cancel claims 1-32 and 34-42 without prejudice or disclaimer, thereby leaving independent claim 33 pending in this patent application.

Add the following new claims.

43. (New) A method as in claim 33, wherein the signalling word conveys radio channel measurement information from the mobile station to a base station.

44. (New) A method as in claim 33, wherein the data word conveys a user-entered keystroke.

45. (New) A method as in claim 33, wherein the data word conveys a HTML code.

46. (New) A method for operating a mobile station in a circuit switched Data mode during an internet connection, comprising the steps of:

generating at least one HTML code; and

transmitting the at least one HTML code within an unused portion of at least one reverse link time slot by interleaving the HTML code with a mobile station signalling word.

47. (New) A mobile station comprising an RF transceiver, a user interface and a controller for operating said mobile station in a circuit switched Data mode during an internet connection, said controller being responsive to at least one HTML code being generated for transmitting the at least one HTML code within an unused portion of at least one reverse link time slot by interleaving the HTML code with a mobile station generated signalling word.

48. (New) A mobile station as in claim 47, wherein the signalling word conveys Mobile Assisted Handoff (MAHO) information.

### REMARKS

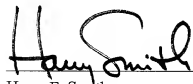
Claim 33 was removed from consideration by the Examiner, and is reinstated herein.

Support for the new claims can be found throughout the specification as filed, and in particular in that paragraph beginning on page 22 that is amended above. No new matter is entered.

A favorable consideration that results in the allowance of all of the pending claims is earnestly solicited.

All of the claims of this Divisional Patent Application are deemed to be in condition for allowance, and this Divisional Patent Application is further believed to be ready to be passed to issue. However, should there be any issue that would impede the allowance of all of the pending claims, the Examiner is respectfully invited to contact the undersigned attorney at any one of the numbers appearing below.

Respectfully submitted,



Harry F. Smith

August 9, 2001

Date

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**ADDED PAGES TO SHOW CHANGES MADE**

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